

Water-Data Report 2008

405827074360801 Local number 272106- MW115

 Piedmont and Blue Ridge crystalline-rock aquifers
 Precambrian Erathem

Morris County, NJ

LOCATION.--Lat 40°58'27", long 74°36'08" referenced to North American Datum of 1983, Jefferson Township, Morris County, NJ, Hydrologic Unit 02040105.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 15.5 ft. Upper casing diameter 2 in; top of first opening 5.5 ft, bottom of last opening 15.5 ft.

DATUM.--Land-surface datum is 959 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 1. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, 90+/-30°	Barometric pressure, mm Hg	Dissolved oxygen, mg/L	pH, unfiltrated water, percent of saturation	Specific conductance, µS/cm	Temperature, water, deg C	Hardness, water, mg/L as CaCO3	Calcium, water, mg/L
	LSD (72019)	(00059)	Flow period prior to sampling, minutes	Barometric pressure, NTRU	(63676)	(00025)	(00300)	(00400)	(00095)	(00010)	(00900)
Jul 22...	1030	7.00	.50	30	4.8	734	.9	9	6.3	1,930	12.9

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Magnesium, water, filtrated, mg/L	Potassium, water, filtrated, mg/L	Sodium, water, filtrated, mg/L	ANC, water, unfixed	Alkalinity, fixed	Bicarbonate, water, infilted	Chloride, water, inflitred	Fluoride, water, field	Silica, water, filtrated	Sulfate, water, filtrated	Residue water, sum of constituents	Residue water, evap. at 180degC	Ammonia + org-N, water, filtrated, mg/L as N
	(00925)	(00935)	(00930)	(90410)	(CaCO3)	(mg/L as CaCO3)	(00453)	(00940)	(00950)	(00945)	(70301)	(70300)	(00623)
Jul 22...	30.6	2.28	229	105	95	116	497	<.12	16.6	40.1	E959	1,270	E.09

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Nitrate + Ammonia water, filtrd, mg/L as N (00608)		Nitrite water, filtrd, mg/L as N (00631)	Ortho- phos- phate, water, filtrd, mg/L as P (00671)		Organic carbon, water, filtrd, mg/L (00681)	Alum- inum, water, filtrd, μg/L (01106)	Anti- mony, water, filtrd, μg/L (01095)	Arsenic water, filtrd, μg/L (01000)	Barium, water, filtrd, μg/L (01005)	Beryll- ium, water, filtrd, μg/L (01010)	Boron, water, filtrd, μg/L (01020)	Cadmium water, filtrd, μg/L (01025)	Chrom- ium, water, filtrd, μg/L (01030)
Jul 22...	<.020	.04	.010	.012	1.9	<1.6	<.14	.10	83	.01	6	.07	<.12	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Copper, water, filtrd, μg/L (01040)	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	Manganese, water, filtrd, μg/L (01056)	Mercury water, filtrd, μg/L (71890)	Nickel, water, filtrd, μg/L (01065)	Selenium, water, filtrd, μg/L (01145)	Silver, water, filtrd, μg/L (01075)	Thallium, water, filtrd, μg/L (01057)	Zinc, water, filtrd, μg/L (01090)	1-Naphthalen, water, filtrd, 0.7u GF (49295)	2,6-Diethylaniline, water, filtrd, 0.7u GF (82660)	2-Chloroacetyl- anilide, water, filtrd, μg/L (61618)	
Jul 22...	E.59	<8	<.08	608	<.010	5.0	.07	<.1	<.04	26.2	<.04	<.006	<.010	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	2-Ethyl -6-methyl- CIAT, water, filtrd, μg/L (04040)	3,4-Di- chloro- aniline water, filtrd, μg/L (61620)	3,5-Di- chloro- aniline water, filtrd, μg/L (61625)	4-Chloro- 2methyl phenol water, filtrd, μg/L (61627)	Aceto- chlor, water, filtrd, μg/L (49260)	Ala- chlor, water, filtrd, μg/L (46342)	alpha- Endo- sulfan, water, filtrd, μg/L (34362)	Atra- zine, water, filtrd, μg/L (39632)	Azinophos- methoxon, water, filtrd, μg/L (61635)	Azinophos- methyl, water, filtrd, μg/L (82686)	Azinophos- methyl, water, filtrd, μg/L (82673)	Benzofuran, water, filtrd, μg/L (82680)		
Jul 22...	E.005	<.010	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.04	<.120	<.010	<.060	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 13

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Date	Carbo-furan, water, fltrd 0.7u GF	Chlor-pyrifos oxon, water, fltrd	Chlor-pyrifos water, fltrd	cis-Per-methrin water 0.7u GF	cis-Propi-conazole, water, fltrd	Cyana-zine, water, fltrd	Cyflu-thrin, water, fltrd	lambda-Cyhalothrin, water, fltrd	Cyper-methrin water, fltrd	DCPA, water, 0.7u GF	Desulf-inyl-fipro-nil, water, fltrd	Diazi-non, water, fltrd	Dicro-tophos, water, fltrd
	µg/L (82674)	µg/L (61636)	µg/L (38933)	µg/L (82687)	µg/L (79846)	µg/L (04041)	µg/L (61585)	µg/L (61595)	µg/L (61586)	µg/L (82682)	µg/L (62170)	µg/L (39572)	µg/L (38454)
Jul 22...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Diel-drin, water, fltrd 0.7u GF	Dimeth-oate, water, fltrd 0.7u GF	Disulf-ton sulfone fltrd	Disulf-ton water, fltrd 0.7u GF	Endo-sulfan water, fltrd 0.7u GF	EPTC, water, fltrd 0.7u GF	Ethion monoxon water, fltrd 0.7u GF	Ethion water, fltrd 0.7u GF	Etho-prop, water, fltrd 0.7u GF	Fenami-phos sulfone water, fltrd 0.7u GF	Fenami-phos sulf-oxide, water, fltrd 0.7u GF	Fenami-phos water, fltrd 0.7u GF	Desulf-inyl-fipro-nil water, fltrd 0.7u GF
	µg/L (39381)	µg/L (82662)	µg/L (61640)	µg/L (82677)	µg/L (61590)	µg/L (82668)	µg/L (61644)	µg/L (82346)	µg/L (82672)	µg/L (61645)	µg/L (61646)	µg/L (61591)	µg/L (62169)
Jul 22...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Fipro-nil sulfide water, fltrd 0.7u GF	Fipro-nil sulfone water, fltrd 0.7u GF	Fipro-nil water, fltrd 0.7u GF	Fonofos water, fltrd 0.7u GF	Hexa-zinone, water, fltrd 0.7u GF	Ipro-dione, water, fltrd 0.7u GF	Isofen-phos water, fltrd 0.7u GF	Mala-oxon, water, fltrd 0.7u GF	Mala-thion, water, fltrd 0.7u GF	Meta-laxyl, water, fltrd 0.7u GF	Methid-athion, water, fltrd 0.7u GF	Methyl-paraoxon, water, fltrd 0.7u GF	Methyl-parathion, water, fltrd 0.7u GF
	µg/L (62167)	µg/L (62168)	µg/L (62166)	µg/L (04095)	µg/L (04025)	µg/L (61593)	µg/L (61594)	µg/L (61652)	µg/L (39532)	µg/L (61596)	µg/L (61598)	µg/L (61664)	µg/L (82667)
Jul 22...	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Metola-	Metri-	Moli-	Oxy-	Pendi-					Propy-			
	chlor,	buzin,	nate,	fluor-	meth-	Phorate	Phorate	Phosmet	Promet	Prometryn,	zamide,		
	water,	water,	Myclo-	fen,	alin,	oxon,	water,	oxon,	ton,	water,	water,		
	filtrd,	filtrd,	water,	water,	filtrd,	water,	filtrd,	water,	filtrd,	filtrd,	filtrd		
	0.7u GF	0.7u GF	(61599)	(61600)	0.7u GF	0.7u GF	0.7u GF	0.7u GF	(04037)	(04036)	(82676)		
Date	µg/L	µg/L											
	(39415)	(82630)	(82671)	(61599)	(82683)	(61666)	(82664)	(61668)	(61601)	(04037)	(82676)		
Jul 22...	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	<.01	<.006	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	Pro-	Propar-	Tebu-	Ter-					trans-	Tri-	1,1,1-		
	panil,	gite,	Simazine,	bufos	Terbu-	Ter-	Thio-	Propi-	Tribu-	flur-	Tri-		
	water,	water,	thiuron	theflu-	oxon	buthyl-	bencarb	conazole,	phos,	alin,	chloro-		
	filtrd	filtrd	water,	theflu-	water,	water,	filtrd	water,	water,	filtrd	water,		
	0.7u GF	0.7u GF	filtrd,	0.7u GF	water,	filtrd,	0.7u GF	water,	filtrd,	0.7u GF	unfiltrd		
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
	(82679)	(82685)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	(79847)	(61610)	(82661)	(34506)
Jul 22...	<.006	<.04	E.007	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 13

[Remark codes: <, less than; E, estimated; R, radchem non-detect, below ssLc.]

Date	CFC-113	1,1-Di-	1,1-Di-	1,2-Di-	1,2-Di-	1,2-Di-	1,3-Di-	1,4-Di-	Bromo-	Tri-	cis-		
	water,	chloro-	chloro-	chloro-	chloro-	chloro-	benzene	benzene	benzene	bromo-	Chloro-	1,2-Di-	
	unfiltrd	ethane,	ethene,	benzene	ethane,	propane	benzene	benzene	methane	methane	benzene	chloro-	
	unfiltrd	water,											
	unfiltrd												
Date	µg/L												
	(77652)	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(32104)	(34301)	(77093)
Jul 22...	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 13

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Date	Di-bromo-	Di-chloro-	Di-chloro-	Di-ethyl	Diisopropyl	Ethyl-benzene	tert-pentyl	meta-+ para-	o-Xylene,	Styrene	t-Butyl	Methyl	Tetra-
	chloro-methane water, unfltrd	chloro-fluoro-methane methane wat unf	chloro-methane water, unfltrd	ether, unfltrd	water, unfltrd	ethyl ether, unfltrd	t-butyl ether, unfltrd	chloro-ethene, water, unfltrd					
	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)
Jul 22...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 13

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Date	trans-1,2-Di-chloro-		Tri-chloro-fluoro-		Tri-chloro-methane		Vinyl chloride,	Di-chlorovos,	Alpha radioac	Alpha radioac	Beta radioac	Beta radioac
	Tetra-chloro-methane	Toluene	ethene,	ethene,	methane	water,	water,	water,	30 day, wat flt	72 hr, wat flt	30 day, wat flt	72 hr, wat flt
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	µg/L (38775)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
Jul 22...	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.01	R1.6	R1	2.5	2.5